	Items of work (grouped under sub-heads the sub works of the estimate)	Unit	Previous		Present Measurement			Total Up-to-date		Remarks
			Qty	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 metres and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH /Chapter 3	Cum	—	—	4520	75.60	340200	4520	340200	
2	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to rceive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5	Sqm	—	—	8586	3.02	25964	8586	25964	
3	Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH	Cum	—	—	4520	1438.56	647352	4520	647352	
4	Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM, WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using meachanical means complete as per specifications. MORTH Specification No.502	Sqm	—	—	180	34.56	6220	180	6220	
5	Providing and laying bituminous macadam on prepared surface with cushed coarse aggregates as per design mix formula for base/binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of al materials, labour, HOM of machineries complete as per specification. MORTH Chapter 5 using 100/120 TPH capacity H.M.P. with sensor paver Gr-1 (80mm to 100mm) with 3.1% VG-30 Bitumen	Cum	—	—	1130	6957.36	774354	111.30	774354	
6	Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5	Sqm	—	—	8586	18.74	160901	8586	160901	
7	Providing and laying bituminous macadam on prepared surface with cushed coarse aggregates as per design mix formula for base/binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of al materials, labour, HOM of machineries complete as per specification. MORTH Chapter 5 using 100/120 TPH capacity H.M.P. with sensor paver Gr-1 (80mm to 100mm) with 3.1% VG-30 Bitumen	Cum	—	—	257-58	~~73.50~~ 9851.76	2537616	25758	2537616	
8	Carriage of mixed materials above 15 kms beyond 10 km to 15 kmlead a	Cum			257-58	73.50	18932	257-58	18932	
9	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a0 Basic rate of haulage of materials as per item No.17.4 Average earth of work 1.28 Tonne/KM for Rs. 2.00 Km C) Add loading and unloading	Cum			4520	78.24	3524	4520	3524	
	Total	Cum					3595645			
	Add: KRIDL Charges						3595645			
							399116520			

CERTIFICATE:

1 Work done is satisfactory

2 There are no departmental issuesmade to the contractor

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ಚಿಕ್ಕಬಳ್ಳಾಪುರ ಉಪ-ವಿಭಾಗ
ಚಿಕ್ಕಬಳ್ಳಾಪುರ, ಬೆಂಗಳೂರು
ಜಿಲ್ಲೆ